

PATENT

U.S. Pat. App. Ser. No. 10/762,063

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Table 1. Lightfade results for Cashmere Shade

Yellow Dyeing Mixture	Residual Strength	Da red/green shift	Db yellow/blue shift	De total shade difference	Results per GMW3414
I	80	-0.01	-1.18	2.57	Fail
II	79	-1.04	-1.9	3.33	Fail
IV	80	-0.84	-1.97	3.21	Fail
VI	78	-0.69	-1.86	3.22	Fail
I + IV	80	-0.8	-1.51	1.90	Pass

Table 2. Lightfade results for Titanium Shade

Yellow Dyeing Mixture	Residual Strength	Da red/green shift	Db yellow/blue shift	De total shade difference	Results per GMW3414
I	82	-0.43	-0.41	2.58	Borderline
II	79	-1.12	-1.36	3.38	Fail
IV	81	-0.98	-0.93	3.08	Fail
VI	78	-0.58	-1.32	3.22	Fail
I + IV	82	0.29	-2.02	2.51	Fail

Table 3. Lightfade results for Ebony Shade

Yellow Dyeing Mixture	Residual Strength	Da red/green shift	Db yellow/blue shift	De total shade difference	Results per GMW3414
I	84	-1.16	2.22	3.57	Fail
II	84	-1.15	-1.83	2.87	Fail
IV	85	-0.47	-0.26	1.95	Pass
VI	81	-0.28	-0.01	2.32	Borderline
I + IV	80	-0.60	1.60	1.90	Pass

5. The above clearly demonstrates that a dye mixture containing the combination of yellow dyes of formulae I and IV surprisingly and unexpectedly provides enhanced performance in correcting the red/green shade shift and yellow/blue shade shift with regard to lightfastness as compared to a dye mixture containing yellow dyes of formula I, II, IV or VI, when used alone.

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I declare that all statements made of my own knowledge are true, and that all statements made on information and belief are believed to be true. I made these statements with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of the application or any patent issued thereon.

1/16/08

DATE

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